6(4); 7(7)

## PHASE I BOOK EXPLOITATION

SOV/3552

Volzhin, Aleksey Nikolayevich, and Viktor Andreyevich Yanovich

Protivoradiolokatsiya (Radar Countermeasures) Moscow, Voyen. izd-vo M-va obor. SSSR, 1960. 134 p. (Series: Radiolokatsionnaya tekhnika) No. of copies printed not given.

Ed.: Yu. S. Denisov; Tech. Ed.: A. N. Mednikova.

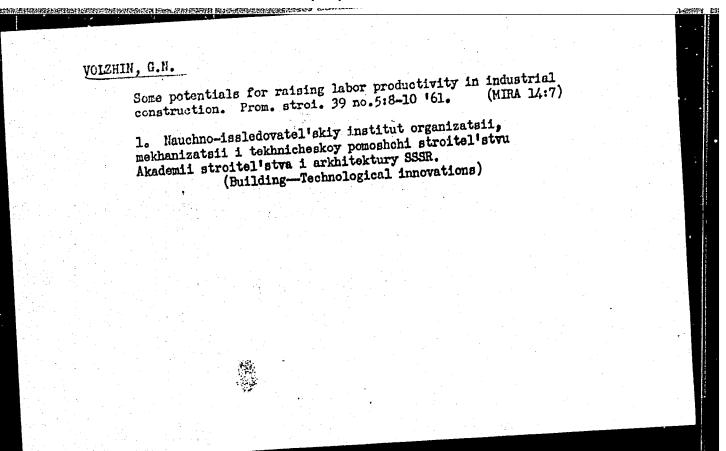
PURPOSE: The booklet is intended for officers engaged in operating radio facilities. It may also be used by the general reader.

COVERAGE: The authors briefly outline the principles of reconnaissance against radar operations and describe the equipment used for this purpose. Special attention is given to jamming and counter-jamming measures. The booklet is based chiefly on material from non-Soviet sources. No personalities are mentioned. There are 27 references: 16 Soviet (9 of which are translations) and 11 English. A list of booklets in the same series already published and to be published in the near future is given on the inside back cover.

Card 1/3

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	Radar Countermeasures	
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VOLZHIN, H.H.; GUSEV, M.I.

Effectiveness of cooperative utilization of equipment in
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ratiroad and industrial transportation. Zhel.dor.transp.
(MEMA 12:12)
41 no.7:81-85 J1 '59.

1. Nachal'nik grusovoy slushby Donatskoy dorogi, Stalino (for
Volshin). 2. Nachal'nik tekhnicheskogo otdela Donatskoy
dorogi, Stalino (for Gusev).
(Railroad—Freight cars)

VOLZHIN, S.N.; MINAYEV, V.I.; POPOV, G.R.; SHULIMEYSTER, L.F.

Ring-type switch in a relay with noncontact control. Priborostroenie no.1:11-14. Ja '64.

(MIRA 17:2)

# VOLZHINA, N. S. (Moskva)

Sequelae of the exclusion of Galen's vena cerebri magna in young animals. Arkh. pat. no.4:55-61 62. (MIRA 15:4)

1. Iz laboratorii po izucheniyu razvitiya mozga (rukovoditel' - deystvitel'nyy chlen AMN SSSR prof. B. N. Klosovskiy) Instituta pediatrii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. O. D. Sokolova Ponomareva)

(BRAIN\_BLOOD SUPPLY)

## VOLZHINA, N.S.

Changes in the higher nervous activity in dogs after the excision of all vascular plexuses of the brain. Zhur. vys. nerv. deiat. 11 no.1:142-150 Ja-F '61. (MIRA 14:5)

1. Laboratory for Studying Brain Development, Institute of Pediatrics, U.S.S.R. Academy of Medical Science, Moscow. (CONDITIONED RESPONSE) (BRAIN—BLOOD SUPPLY)

USSR / Human and Animal Morphology, Normal and Pathological.

Pathological Anatomy.

Abs Jour

: Ref Zhur - Biol., No 8, 1958, No 36041

tas Japa Author

: Kiseleva, Z. N. Volzhina, N. S.

Inst Title

: Not given : Experimentally Induced Hydrocephalus in Young Animals.

Orig Pub : Arkhiv patologii, 1957, 19, No. 7, 44-52.

Abstract

: Cotton plugs, injected into the cerebral aqueducts of 24 puppies, aged 2 weeks to 12 months, obstructed the drawing off of "liquor" from the h terals and the third ventricles. In 24-36 hours after the operation, an acute edema of the brain developed. From the 3rd to the 8th day, the edema decroased, and hyperemia of the medulla developed. On the 12-30th day, the vessels and capillaries became dilated due to prolonged asphyxia. In the puppies that survived 9-30

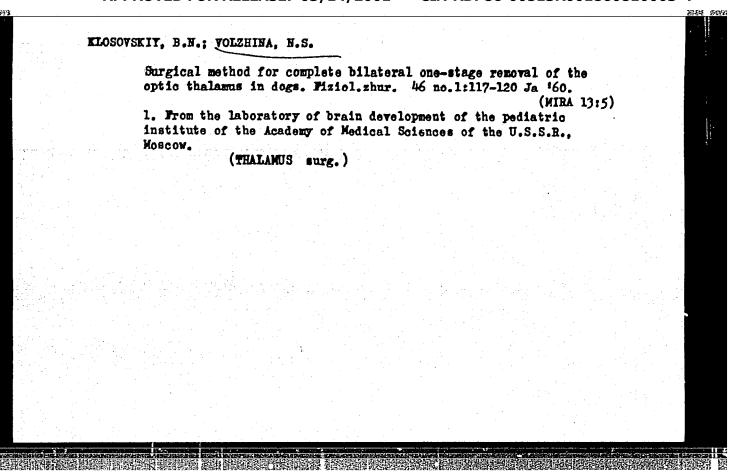
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# SHUKHAT, A.P.; VOLZHINA, N.S. (Moskva)

Roentgenological observations on the motor function of the gastrointestinal tract in pupples following the excision of subcortical formations (corpora caudata). Pat. fiziol. i eksp. terap. 6 no.6267-68 N-D\*62 (MIRA 17:3)

1. Iz rentgenovskogo kabineta revmatologicheskogo otdeleniya (zav. - deystvitel'nyy chlen AMN SSSR prof. O.D. Sokolova-Ponomareva) i iz otdeleniya po izucheniyu razvitiya mozga (zav. - deystvitel'nyy chlen AMN SSSR prof. B.N. Klosovskiy) Instituta pediatrii AMN SSSR.



KLOSOVS	SKIY, B.N., prof.; VOLZHINA, N.S.; VASIL'YEV, G.A. (Moskva)		7
	Physiology of the optic thalamus. Vop.neirokhir. 23 no.6:1-6 il-D 159. (MIRA 13:4	)	
	1. Laboratoriya po isucheniyu razvitiya mozga Instituta pediatrii AMN SSSR i laboratoriya patofiziologii vysshey nervnoy deyatel'- nosti Instituta nevrologii AMN SSSR. 2. Chlen-korrespondent AMN SSSR (for Klosovskiy).  (THALAMUS physiol.)		

#### CIA-RDP86-00513R001860810003-4 "APPROVED FOR RELEASE: 03/14/2001

U.S.S.R. Human and Animal Physiology. Nervous System.

Abs Jour: Ref Zhur-Biol., No 5, 1958, 22617.

Author : Klossovsky, B. N., Volzhina, N. S.

Inst

: Not given. : Removal of the Gaudate Bodies. Title

Orig Pub: Fiziol. zh. SSSR, 1956, 42, No 9, 817-819.

Abstract: During prolonged experiments (2-3 yrs.) with bi-

lateral removal of the caudate bodies (with preservation of the cerebral cortex), no confirmation was obtained of the existing opinion on the influence of the caudate bodies on blood pressure, respiration, vestibular function, growth and trophic development. The alimentary,

play, sexual, maternal and other instincts were preserved (in pupples) but behavior was disturbed for about 1 month. Nevertheless, the conditional resistance of the conditional resistanc tional reflex activity remains disturbed. The

Card 1/2

U.S.S.R. / Human and Animal Physiology. Nervous System. T

Abs Jcur: Ref Zhur-Biol., No 5, 1958, 22617.

Abstract: elaboration of reflexes does not take place

(1200 Associations).

In unilateral removal of the caudate body in puppies, there was no assymetry in development of the trunk and the extremities, behavior did not change, but the time required for elaboration of conditional reflexes was prolonged. The section of the corpus callosum, the internal corpuscle and the removal of the anterior lobe of the cerebral hemisphere, does not cause any behavior changes. Section of the corpus callosum does not hinder the elaboration of the activity of conditional reflexes. The author concludes that the activity of conditional reflexes depends upon the caudate bodies.

Card 2/2

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KLOSOVSKIY, B. N.; VASIL'YEV, G. A.; VOLZHINA, N. S.

Sequelae in extirpation of the optic thalami; technique for their removal, nervous status, behavior and conditioned reflex activity of dogs lacking the optic thalami. Nauch. trudy Inst. nevr. AMN SSSR no.1:364-372 160. (MIRA 15:7)

1. Institut nevrologii AMN SSSR i Institut pediatrii AMN SSSR.

(OPTIC THALAMUS\_SURGERY) (CONDITIONED RESPONSE)

USSR/Human and Animal Morphology. Circulatory System

S-2

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31271

Author

: Volzhina N.S.

Inst

: Not Given

Title

: Compensatory Hypertrophy of the Vascular Network of the

Brain During an Experiment.

Orig Pub : Arkhiv patologli, 1957, 19, No 7, 52-61

Abstract : Compensatory hypertrophy of the vascular plexis was studied in 30 dogs age 22-3 months! After removal of the vascular network of the lateral ventricles, no perceptible changes occurred in the size of the vascular network of the third ventricle in the course of two weeks. With the removal of the vascular network of the lateral and fourth ventricle, an intensive compensatory growth was observed of the vascular network of the third ventricle, which assumes the function of the separation of liquor. During the simultaneous removal of the vascular network of the lateral and fourth ventricle, the intensity of the growth of the vascular network of the third

Card

: 1/2

USSR/Human and Animal Morphology. Circulatory System

S-2

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31271

ventricle is greater than during the two-stage removal. The hypertrophy of the vascular network of the third and lateral ventricles appears to be due to the increase of the quantity of epithelial cells, but there is no increase in their dimensions or of the dimensions of the connective tissue at the base of the vascular network. The epithelial cells during compensatory hypertrophy multiply mitotically.

Card

: 2/2

U.S.S.R. / Human and Animal Physiology. Nervous System, Subcortical Nuclei.

Abs Jour: Ref Zhur-Biol., No 5, 1958, 22616.

Author : Klosovsky, B. N., Volzhinina, N. S. Kukhsh-

kina, V. P.

Inst : Not given.

Title : Two Methods of Isolated Bilateral Destruction

of Subcortical Structures, Nucleus Caudatus,

Putamen.

Orig Pub: Bul. eksperim biol. i meditsiny, 1957, 43,

115-118.

Abstract: The extirpation of the nucleus caudatus in dogs

was carried out through tepanation in the area of the lower venon sinus. The hemispheres were pushed away and through an incision in the cor-

Card 1/2

U.S.S.R. / Human and Animal Physiology. Nervous System, Subcortical Nuclei.

Abs Jour: Ref Zhur-Biol., No 5, 1958, 22616.

Abstract: pus collosum, access was made to one of the lateral ventricles. Raising the upper wall of the lateral ventricle the head and the body of the nucleus caudate was exposed. This was extirpated with a bone curette. By another method, through a trepan opening of the upper part of the skull, the brain was raised, the branches of the middle and anterior cerebral arteries were coagulated, which produced necrosis of the nuclei and the putamen.

Card 2/2

109

PURIN, V.R., VOLEHINA, N.S.

Method for investigating the rate of formation of the cerebrospinal fluid. Vop.neirokhir. 22 no.3148-50 Ky-Je '58 (HIRA 11:8)

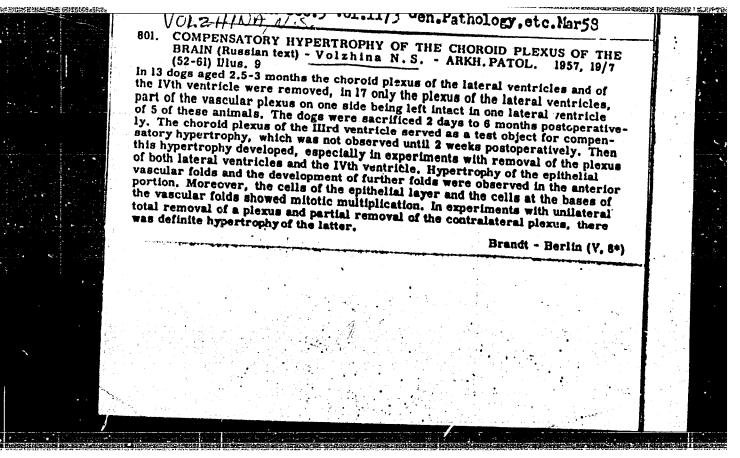
1. Laboratoriya po izucheniyu razvitiya mozga Institutu pediatrii

(CERMEROSPINAL FLUID, form. rate. determ (Rus))

KLOSOVSKIY, B.N.; VOLZHINA, N.S.

Tecnic for total ablation of brain vasculor places in experimental animals. Fiziolshur. 44 no.4:386-387 Ap '58. (MIRA 11:4)

1. Laboratoriya po izucheniyu razvitiya mozga, Instituta pediatrii ANH SSSR, Moskva.
(BRAII, blood supply vasc. places, exper. ablation tochnic (Rus))



WOLTHINA, N.S. (Moskva, 117-G, ul. Burdenko, d. 16/12, kv.58)

\*\*Regeneration of cerebral vascular plaxuses [with summary in English].

Arkhanat.gist. i embr. 35 no.1:68-75 Ja-F 158. (MIRA 11:4)

1. Iz laboratorii razvitiya mozga (zav. - chlen-korrespondent AME SSSR prof. B.N.Klosovskiy) Instituta Pediatrii AMN SSSR.

(BRAIN, blood supply, vasc. plaxuses, regon. (Rus))

KISELEVA, Z.B. (Moskva); VOLZHIMA, B.S. (Moskva)

— orimental hydrocephalus in young rats [with summary in English].

Arkh.pat. 19 no.7:44-52 '57. (MIRA 10:9)

1. Iz otdeleniya izucheniya rezvitiya mozga (zav. - chlen-korrespondent AMN SSSR prof. B.N.Klonovakiy) Instituta pediatrii AMN SSSR (dir. - chlen-korrespondent AMN SSSR prof. O.D.Bokolova-Ponomareva) (HYDROCEPHAMS, experimental, in young rats (Ruz))

#### "APPROVED FOR RELEASE: 03/14/2001

#### CIA-RDP86-00513R001860810003-4

Compensatory hypertrophy of cerebral vascular genglis under experimental conditions [with summary in English]. Arkh.pat. 19 no.7:52-61 (MLRA 10:9)

1. Is laboratorii po izucheniyu razwitiya mozga (rukuwoditel'-cheln-korrespondent AMN SSSR prof. B.N.Klosovskiy) Instituts pediatrii (dir. - chlen-korrespondent AMN SSSR prof. C.D.Sokolova-Ponomareva)

(HRAIN, blood supply, compensatory hypertrophy of vasc. ganglis in exper. animals (Rus))

KLOSOVSKIY, B.M.; VOLZHIHA, H.S.; KUKUSHKIMA, V.P.

CINITION

Two methods of isolated bilateral destruction of subcortical structures including nucleus caudatus and putamen [with summary in English]. Biul. eksp.biol. i med. 43 no.3:115-118 Mr '57. (MIRA 10:7)

1. Im Instituta pediatrii AMN SSSR (dir. - chlen-korrespondent AMN SSSR prof. C.D.Sokoloval-Ponomareva) i Instituta nevrologii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. N.V.Konovalov).

Predstavlena deystvitel'nym chlenom AMN SSER S.A.Sarkisovym.

(BASAL GAMGLIA, surg.

globus pallidus, nucleus caudatus & globus pallidus, isolation in animals, technic (Rus))

# VOIZHINSKIY, D.V.

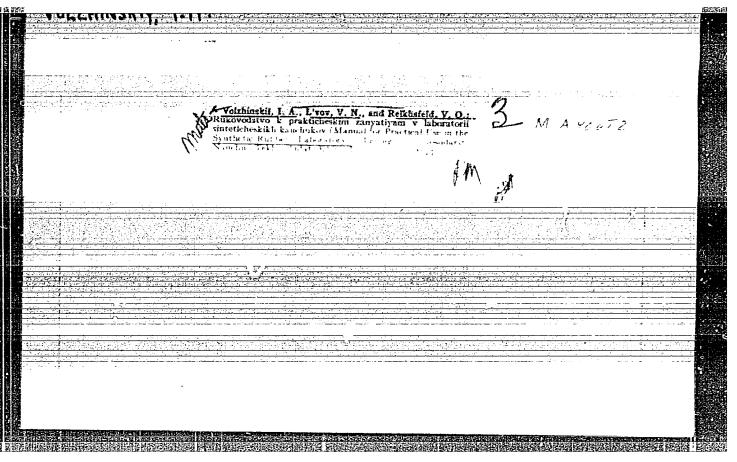
Results of experiments with the new bactericidal lam. Zh. obsh.biol. 12 no.2:158-160 Mar-Apr 51. (CIML 20:8)

1. Department of General Biology and Parasitology imeni Academician Ye.N. Pavlovskiy of the Military Medical Academy imeni Kirov.

YEMEL'YANOV, B.I., inzh., TIMOFEYEV, C.V., inzh.; VOLZHKIY, V.M., inzh., OGORODEIROV, Yu.N., inzh.

Boring downcast shafts for rod-type timber. Shakht. stroi. 4 no.12: 12-15 D '60. (NIRA 13:12)

1. Leningradskiy gornyy institut. (Mine timbering)



VOLZHINSKI, I.A.; L'YOV, V.H.[deceased]; HEYIHSINL'D, V.O.; SHUR, Ye.I., redattor; ERLIKH, Ye.Ia., tekhnicheskiy redaktor.

[Synthetic rubber laboratory mammal] Rukovodstvo k prakticheskim saniatiam v laboratorii sintoticheskikh kauchukov. Leningrad, Gos. nauchno-tekhn.isd-vo khim.lit-ry 1955. 220 p. (MLEA 8:12)

(Rubber, Synthetic)

BOL'SHAKOV, F. D.; <u>VOLZHENSKIY, YE. V.</u>; ALYBINA, S. D.; SCKOLCV, V. G.; KIRICHENKO, F. S. Fyalkov, Viktor Konstantinevich, d. 1952

In memory of V. K. Fyalkov, Khirurgiia, No. 6, 1952.

Monthly List of Russian Accessions, Library of Congress October 1052 Unclassified

BOI SHAKOV, F. D.; VOLZHENSKIY, YE. V.; ALYBINA, S. D. SOKCLOV, V. G.; KIRICHENKO, F. S.

Surgeons

In memory of V. K. Fyalkov. Khirurgila No. 6 1052.

Monthly List of Russian Accessions, Library of Congress October 1952. Unclassified.

KLOSOVSKIY, B.N..; VOLZHIMA, N.S.

Functional significance of the caudate nuclei. Vopr. neirokhir.
20 no.1:8-14 Ja-F '56 (MIRA 9:6)

1. Iz otdeleniya izucheniya razvitiya mozga Instituta pediatrii
AMN SSSR.

(RASAL CANCLIA
caudate nuclei, excis. in dogs, unilateral & bilateral)

Growth and behavior of dogs with subcortical nuclei (nucleus caudatus) removed but with intact cerebral cortex. Arkh. pat. 18 no. 1:35-42 156.

1. Iz laboratorii razvitiya mozga (zav.-chlen-korrespondent AMN SSSR prof. B.N. Klosovskiy) Instituta pediatrii AMN SSSR.

(PASAL GANGLIA, nucleus caudatus, eff. of excis. on growth & behavior of dogs (Rus))

Method of removal of the nucleus candatus. Fisiol.shur. 42 no.9:
817-819 S '56.

1. Laboratoriya rasvitita mosga Instituta pediatrii Akademii meditsinskikh nauk SSSR, Moskva
(BASAL GANGILA, surgery, excis. of nucleus caudatus in exper. animals, technic (Rus))

KISELEVA, Z.N., VOLZHINA, N.S.

Hydrocephalus

Changes in the capillary network in experimental hydrocephalus in puppies 16 days to  $1\frac{1}{2}$  months old. Zhur. nevr. i psikh, 52 no. 9, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. UNCLASSIFIED

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ZASOSOV, V.A.; METEL'KOVA, Ye.I.; VOLZHINA, O.N.; SHAGALOV, L.B.; VLASOV, A.S.

New method of producing norsulfazole. Med. prom. 17 no.9:15-22 S'63. (MIRA 17:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimikc-farmatsevticheskiy institut imeni Sergo Ordzhonikidze.

VOLZHINA, V.

PA 4T104

USSR/Medical Science Cytology

1945

"Microsurgical Investigation of the Smooth Muscle Cell and Its Fibrils," G. Roskin and V. Volzhina, 3 pp

"CR Acad Sci" Vol XLIX, No 6

Observations, with the aid of the Peterfi micromanipulator, of the smooth muscle cell, to clarify the exact nature and verify the existence of the cell fibrils as definite individualized formations.

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VOLZHINSKI, D. V.	
"Results of Trials on a New Bactericidal Lamp." (p. 158) by Volzhinski, D.	ν.
SO: Journal of General Biology XII (Zhurnal Obshchei Biologii) Vol. XII, No.	2 1051
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VOLZHSKIY, V.M., inzh.; ROGINSKIY, V.M., inzh.

Peculiarities of reinforced concrete rod bolting without compressed air. Izv. vys. ucheb. zav.; gor. zhur. 8 no.7; 52-56 '65. (MIRA 18:9)

1. Leningradskiy ordena Lenina i ordena Trudovogo Krasnogo Znameni gornyy institut imeni Plekhanova. Rekomendovana kafedroy stroitel'stva gornykh predpriyatiy.

WOLZHSKIY, V.M., inzh.; YEMEL'YANOV, B.I., inzh.

Reinforced concrete rod-type timber for controlling the heaving of the base of workings. Shakht. strol. 4 no.6:15-17 Je '60. (MIRA 13:11)

1. Leningradekiy gornyy institut. (Mine timbering)

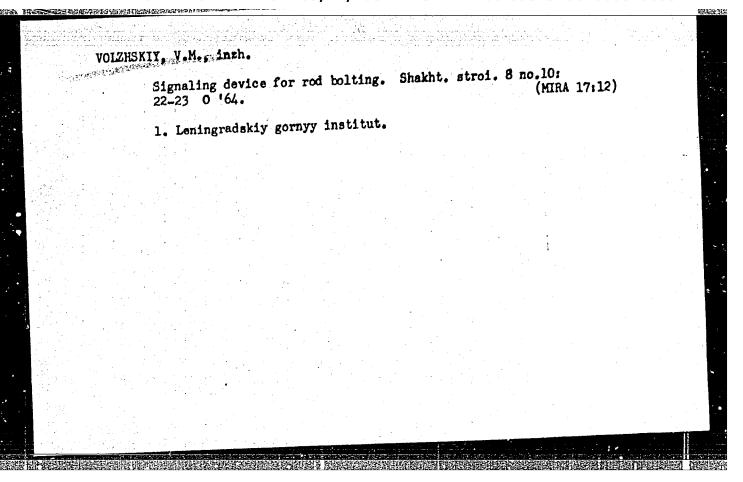
## VOLZHSKAYA, A.M.

Comparison of the hemopoietic ativity of serum with its vitamin B12 content. Probl. gemat. i perel. krovi 8 no.7:22-24 Jl '63.

(MIRA 17:10)

1. Iz terapevticheskogo sektora (zav. - prof. A.Ya. Yaroshevskiy)

Institut fiziologii imeni I.P.Pavlova (dir. - akademik V.N.Chernigovskiy) AN SSSR.



DVORKIN, Ye.I., insh.; DEMETRIADES, G.K., insh.; VOLZHSKIY, V.M., insh.

Using high frequency currents for hand-held electric drills for drilling blast holes. Mauch. dokl. vys. shkoly; gor. delo no.1: 177-182 159.

1. Predstavlena kafedroy stroitel'stva gornykh predpriyatiy Leningradskogo gornogo instituta im. C.V. Plekhanova. (Boring machinery-Electric driving) (Electricity in mining)

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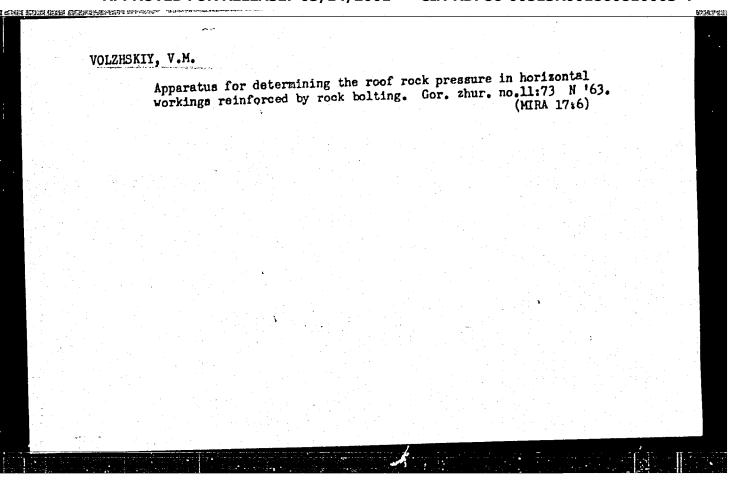
# Use of rod anchoring in shale mines. Izv. vys. ucheb. zav.; gor. zhur. no.1:38-44 \*58. (MIRA 11:5) 1. Ieningradskiy gornyy institut. (Mine roof bolting)

## VOLZHSKIY, V.M., gornyy inzh. Practice of using rod bolting in the Yarega petroleum mines. Gor. zhur. no.4:37-39 Ap '61. 1. Leningradskiy gornyy institut. (Yarega region—Petroleum mining) (Mine roof bolting)

yoLZHSKIY, V.M., insh.

Controlling the bearing capacity of the rod-type timber. Shakht. stroi. 4 no.3:12-14 Mr '60. (MIRA 13:11)

1. Leningradskiy gornyy institut. (Mine timbering)



VOLZHSKIY, V.M., inzh.; PODOLYAKO, N.I., inzh.

Automatic drill with force feed for boring blast holes in mining. Izv. vys. ucheb. zav.; gor. zhur. no.11:60-65 1959. (MIRA 14:5)

1. Leningradskiy ordena Lenina i ordena Trudovogo Krasnogo Znameni gornyy institut imeni G. V. Plekhanova. Rekomendovana kafedroy stroitel'stva gornykh predpriyatiy.

(Rock drills)

SEMEVSKIY, V.N., doktor tekhn.nauk, prof.; BAKHIN, F.S., inzh.; VOLZHISKIY,

V.M., inzh.

Controlling the safety of strata bolting. Bezop.truda v prom.
4 no.12:4-5 D '60. (MIRA 14:1)

1. Nachal'nik upravleniya Severo-Zapadnogo okruga Gosgortekhnadzora
RSFSR (for Bakhin). 2. Leningradskiy gornyy institut (for Volzhskiy).

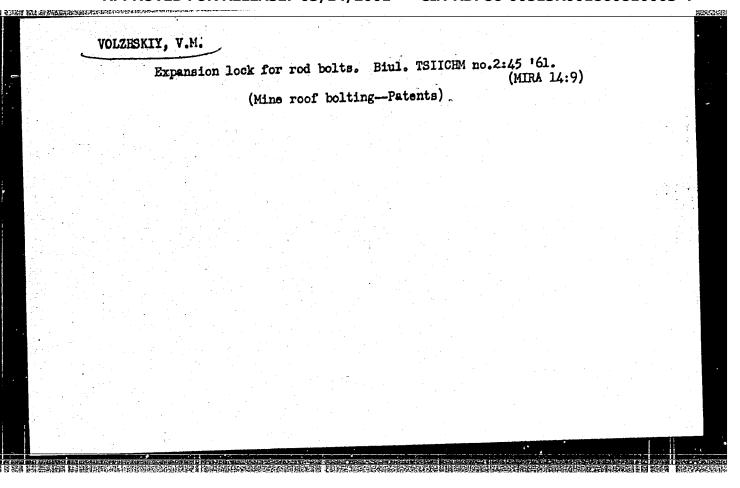
(Mine roof bolting—Safety measures)

YOLZHSKIY, V.M.; PANCHESHNIKOV, M.Ye.

Anchor bolting in slate mines. Ugol' 36 no.4:14-17 Ap '61. (MIRA 14:5)

1. Leningradskiy gornyy institut (for Volzhskiy). 2. Zavod po mekhanizatsii i remontu energeticheskogo i tekhnologicheskogo oborudovaniya Upravleniya khimicheskoy promyshlennosti Lensovnarkhoza (for Pancheshnikov).

(Mine roof bolting)

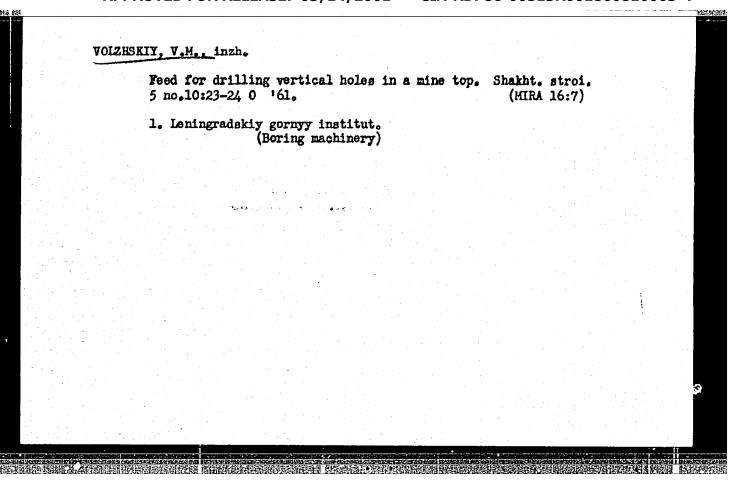


## VOLZHSKIY, V.M., inzh.

Bearing capacity and permissible pliability of rod bolting. Izv. vys. ucheb. zav.; gor. zhur. no.5:25-30 161. (MIRA 16:7)

1. Leningradskiy ordena Lenina i ordena Trudovogo Krasnogo Znameni gornyy institut imeni G.V. Plekhanova. Rekomendovana kafedroy stroitel stva gornykh predpriyatiy.

(Mine roof bolting)



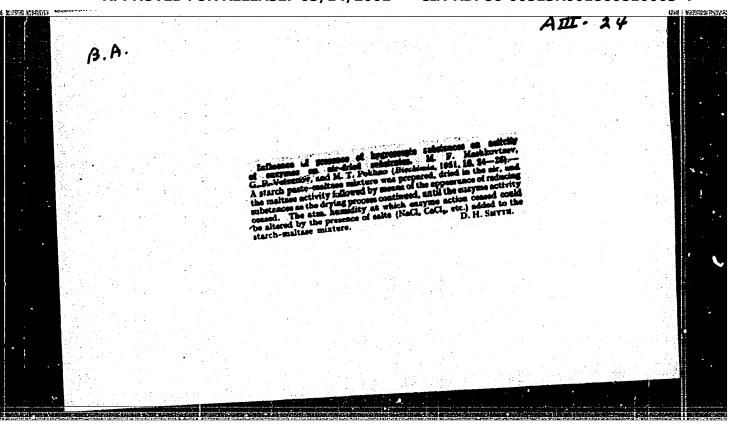
SEMEVSKIY, Vladimir Nikolayevich, prof., doktor tekhn. nauk;
VOLZHSKIY, Vladlen Mikhaylovich, gornyy inzb.;
TINOFEYEV, Oleg Vladimirovich, dots., kand. tekhn. nauk;
SHIROKOV, Anatoliy Pavlovich, kand. tekhn. nauk;
KRAVCHENKO, Grigoriy Ivanovich, kand. tekhn. nauk;
CHUKAN, Boris Karpovich, kand. tekhn. nauk; FIINGOV,
Semen Isayevich, gornyy inzh.; NESTERENKO, G.T., kand.
tekhn. nauk, retsenzent

[Rod bolting] Shtangovaia krep'. Moskva, Nedra, 1965.
327 p. (MIRA 18:7)

1. Zaveduyushchiy kafedroy Leningradskogo gornogo instituta im. G.V.Plekhanova (for Semevskiy). 2. Leningradskiy gornyy institut im. G.V.Plekhanova (for Volzhskiy, Timofeyev).

3. Kuznetskiy nauchno-issledovatel'skiy ugol'nyy institut (for Shiroko.).

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860810003-4



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CEPULIC, P.; YOMAC, V.; RUZDIC, I.

Filter paper electrophoresis in the determination of Changes in blood protein levels in schizophrenia.

Neuropsihijatrija 2 no.4:221-239 1954.

1. Aus dem chemischen Laboratorium des Krankenhauses Vrapce und dem zentralen chemischen Laboratorium der Stadt Zagreb.

(SCHIZOPHRENIA, blood in, blood protein determ, by paper electrophoresis.(Ger))

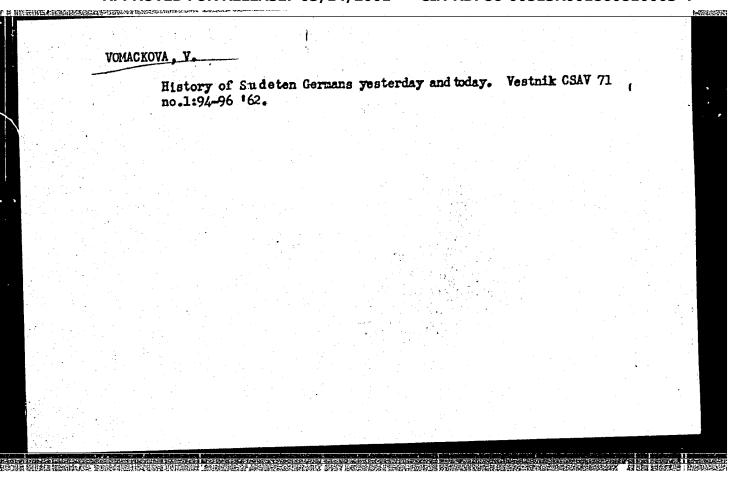
(BLOOD PROTEINS, determ, in schizophrenia, paper electrophoresis. (Ger))

(ELECTROPHORESIS, of blood proteins in schizophrenia, filter paper technic.(Ger))
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## VOMACKA, M. "Improving the Repair Train." p. 19. "The Rationalizers' Movement As Shown in the Figures and in the Work of the Five Most Successful Innovators." p. 19. "The Rationalization of Work At the Waterworks of Slany." p. 19 (ZELEZNICE, Vol. 3, No. 1, 1953) Praha,

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 4, April 1954. Unclassified.

Czechoslovakia



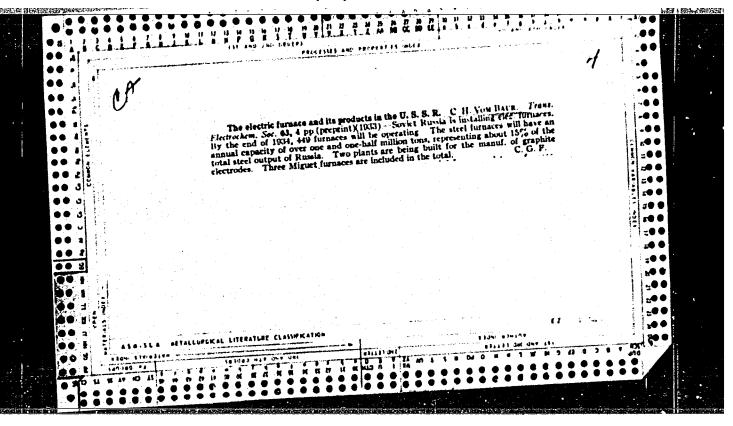
VCMAR, Ivo
Director, Vet. Station, Celje
(Vet. Artificial Insemination)
Memo Chief Contact Div. oo, Aug. 18, 1953 #14877 Rest.

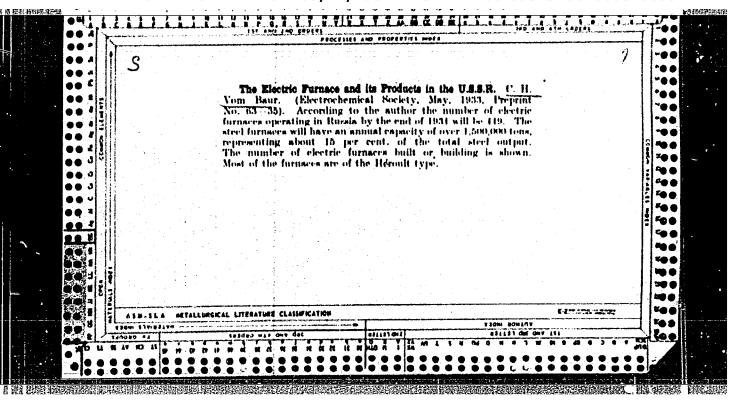
VOMASEK, F.; BIDLO, Z. Stability of lemon essences and syrups p. 422

Vol. 7, no. 9, 1956 PRUMYSL POTRAVIN TECHNOLOGY Praha, Csechoslovakia

So: East European Accession, Vol. 6, No. 2, 1957

VOMAST	EK, Frantisek	
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760. Vomela S. Barevno vidy po skopolaminu (L'ianthinopsie scopolaminique) Chromophose after scopolamine Prakticky Lekar 1947, 27/5 (97-98)

Autoexperiments after instillation of 5 drops of a solution of scopeolamine hydrobromide (0.02: 10,000) into the left eye. The mydriasis accompanied by chromophose lasts six days. The borders of objects appear to be coloured violet or blue. Chromophose is perceptible by binocular vision and disappears on closing the treated eye.

So: Physiology, Biochemistry & Pharmacology, Section II, Vol. 1, #1-6

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860810003-4"

ACC NR. AP6032832 (4) SOURCE CODE: CZ/0078/66/000/007/0022/0022

AUTHOR: Vomlel, Otokar (Dobroutov); Kusak, Frantisek (Zbysov); Stefan, Ladislav (Engineer; Jihlava)

ORG: none

TITLE: Lubrication equipment for flyball governors. CZ Pat. no. PV 5356-65

SOURCE: Vynalezy, no. 7, 1966, 22

TOPIC TAGS: internal combustion engine component, lubrication equipment, injector pump

ABSTRACT: A device is introduced for lubricating mechanical flyball governors which control injector pumps in combustion engines. Fins are arranged inside the governor's box to drain oil spattered into the pipe by the rotor. One end is placed in the governor's box and the other in the axis of the control pin which is equipped with channels connected to the channels in the supporting pin, the grooves shaped in the periphery of the supporting pin, and to the channels in the weight support.

SUB CODE: 21/ SUBM DATE: 31Aug65/

Cord 1/1

MALYSHEV. V.I.; MARKIN, A.S.; PETROV, V.S.; LEVKOYEV, I.I.; VCMPE, A.P.

A neodymium-glass laser with a monopulse duration near the limit.

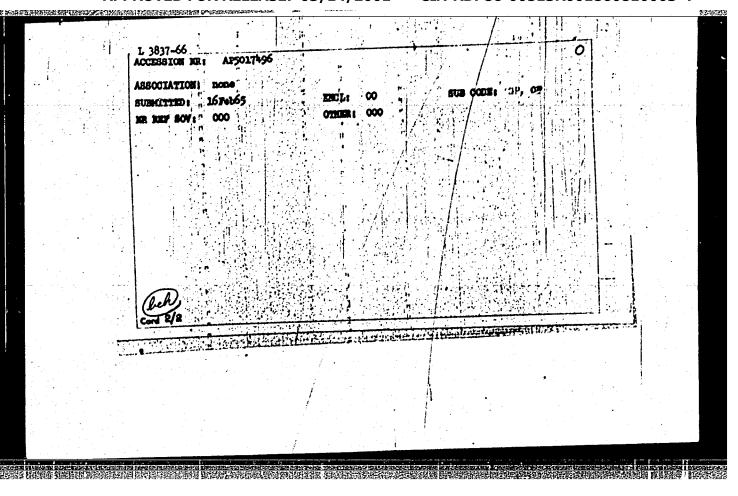
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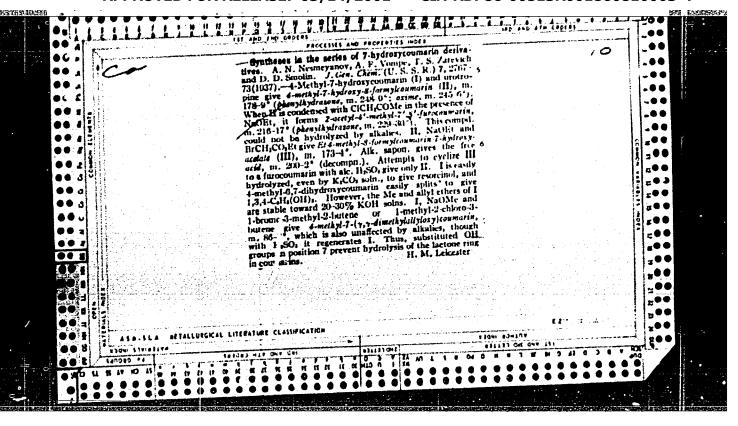
(MIRA 18:10)

1. Fizicheskiy institut imeni labedeva AN SSSR.

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	1	AUTHOR: Rheyman A. S. Vangui	44,55	771.534 111.555	44.55	
		AUTHOR: Rheyrman, A. S.; Karaul' Solor'ver, S. M.; Yospe, A. F.; A	leksandrov, I. V. K	repina, G. F.: Iven	ove. L. V.	
		TITLE: Infrachromatic materials	for scientific and to	chnical purposes	117,55	
. '		SOURCE: Zhurnal prikladnoy spekt	roskopii. v. 2. no. 6	. 1965. 558-561	. 66	
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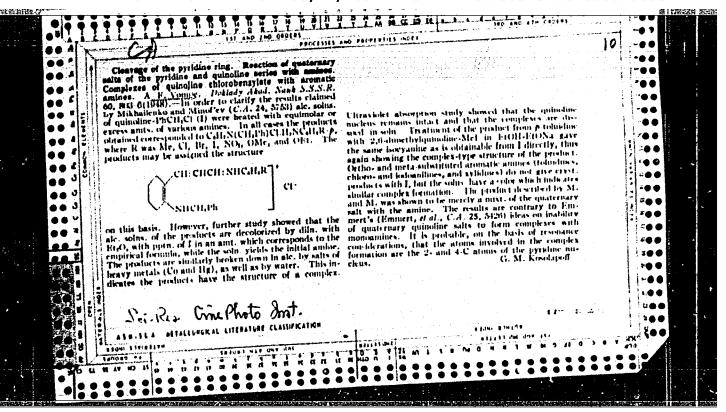


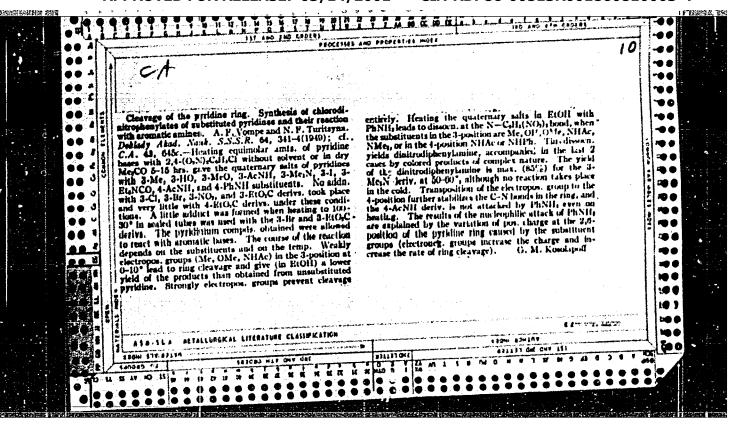


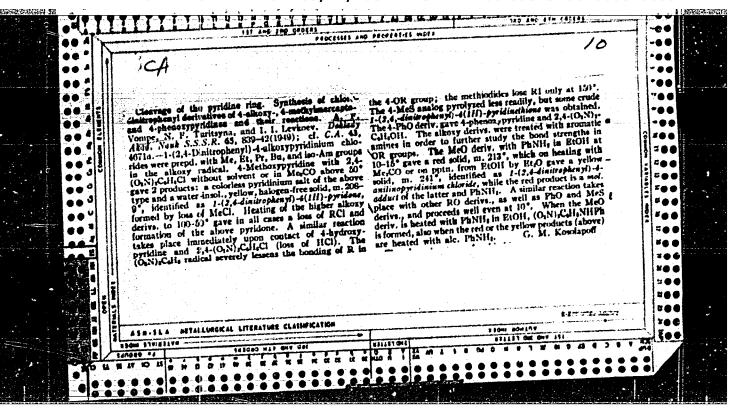
LEVKOYEV, I.I.; SVESHNIKOV, N.N.; GORBACHEVA, I.N.; VONFE, A.F.

Optical properties of some this carbocyanines with substitutes in heterocyclic radicals. Trudy HIKFI no.7:25-33 147. (MIRA 11:6)

1. Sinteticheskaya laboratoriya Mauchno-issledovatel skogo kinofoto-instituta, Moskva. (Thiacarbicyanine--Optical properties)

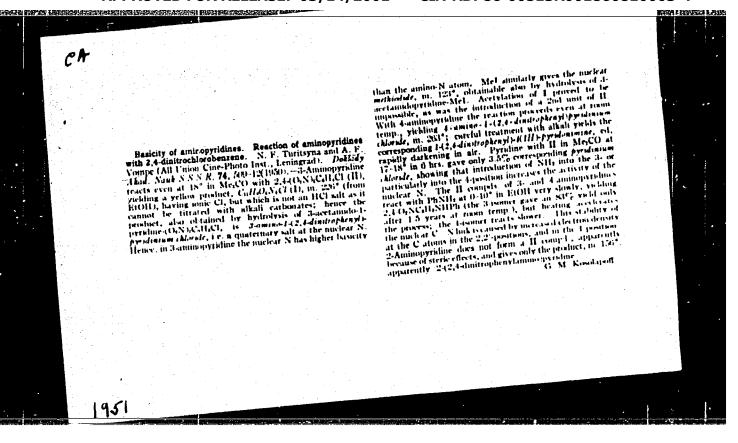






#### "APPROVED FOR RELEASE: 03/14/2001

#### CIA-RDP86-00513R001860810003-4



VOMPE, A. F. - "Splitting of Fyridine Bases." Sub 1 Jul 52, Inst of Organic Chemistry, Acad Sci USSR. (Dissertation for the Degree of Doctorates in Chemical Sciences).

So: Vechernaya Moskva January-December 1952

YOMPE, A		USSR/Chemistry - Photographic Dyes "Investigations in the Field of Cyanine Dyes, VII. The Properties of Tetramethyl Thiacarbocyanines," I. I. Levkoyev, A. F. Vompe, N. N. Sveshnikov, N. S. Barbyn', All-Union Sci-Rec Cinematograph Inst Zhur Obshch Khim, Vol 22, No 5, pp 879-886	ors pocyanis on cal.	thlecarbocyanine, the transmittance max of the dye was shifted to the long-wave portion of the spectrum in all cases. The introduction of the methyl groups at the 5,5' and 6,6' position gives a markedly greater bathochromic effect.	<b>563</b>	
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OMPE, A.F.		omentalisen viikit täätävi. Palainin ja vaitainin kontainin kantainin ja ja kontainin kontainin kontainin kontainin kontainin kontainin k Lannin kontainin kun	
	Cygnice dyes. VII. The project this carb systems. 1. 1. Levkor V. Syeshnikov, and V. S. Barvyn. 22, 639-4(1952) Engl. translation).	A. P. Vompe N. N.	
L-mect3	Syeshnikov and M. S. Barvyn. Syeshnikov and M. S. Barvyn. Syeshnikov and M. S. Barvyn.	-See C.A. 46, 109801.	
Chemical Abstract	22, 555		
Chemical Abstracts Vol. 48 No. 5 Mar. 10, 1954 Photography			
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Ine Committee on Stelin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskays Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

Hama

Levkoyev, I.I. Sveshnikov, M.H. Vompe, A.F. Portnaya, E.S. Spasokukotskiy, H.S. Deychmeyster, ......

Title of Work

Ministry of Culture USER "Investigations in the Field of Polymethine Lyes"

H-30604, 7 July 1954

- N. N. SVESHITKOV, I. I. LEVKCEV, A. F. VCMPE, B. S. PORTNAYA
- 2. USSR (600)
- Products of reaction of acylmethylene derivatives of N-submitted heterocyclic radicals with alkylating agents and their reactions. Dokl. AN SSSR 88 no. 2. 1953.

Monthly List of Russian Accessions, Library of Congress, April

CIA-RDP86-00513R001860810003-4" APPROVED FOR RELEASE: 03/14/2001

79-12-23/43

AUTHORS:

Vompe, A. F., Turitsyna, N. F.

TITLE:

Reactions of Pyridine salts Reaktsii piridiniyevykh soley). The Synthesis of the Chlorodinitrophenylates of Substituted Pyridine Bases (Sintez khlordinitrofenilatov zameshchemykh piridinovykh osnovaniy).

PERIODICAL:

Zhurnal Obshchey Khimii, 1957, Vol. 27, Nr 12, pp. 3282-3290 (USSR).

ABSTRACT:

Disregarding the many works dedicated to the decomposition of the pyridine ring until now the influence of the substituents (in the ring and at the cyclic nitrogen atoms), of the nature of the amine and other face tors on the tendency of the pyridine ring to decomposite and the influe ence on the reaction course were not explained. Also not investigated is the reaction formation of pyridine salts which have substituents in the nucleus of pyridine. Therefore, first of all, the formation of chloro-(2,4-dinitro)phenylate of the substituted pyridines was tackled. The reaction of the pyridine radicals with 2,4-dinitrochlorobenzene was, as a rule, carried out by means of heating the equimolecular compound of the components in dry acetone or without solvents. Easily obtained were the chlorodinitrophenylates of the substituted pyridines (see formula). As usual, however, (heating in a water bath with a return condenser) it was not possible to combine dinitrochlorobenzene with  $\beta$ -chloro,  $\beta$ -bromium, β-nitropyridine and with ethylester of nicotinic acid. Thus the pedispo-

Card 1/2

Reactions of Pyridinesalts. 79-12-23/43
The Synthesis of Chlorodinitrophenylates of Substituted Pyridine Bases.

sition of the ring nitrogen atom to a transition to the tetravalent positive state of formation with the introduction of the substituents with a clearly characterized electronegative character to the  $\beta_-$  and  $\beta_-$  position in the pyridine nucleus is decreased. The compound of dinitrochlow robenzene with  $\beta_-$  iodopyridine and with the diethylamide of nicotinic acid, however, took place rather quickly on the water bath. Thus the introduction of the electropositive substituents to the  $\beta_-$  or  $\beta_-$  position in the pyridine ring makes easier the affiliation with the ring nitrogen atoms of the 2,4-dinitrochlorobenzene molecule, whereas the electro-negative substituents make more difficult the process in the same position. The characteristics as well as some reactions of chlorolinitrophenylate of the substituted radicals were described. There are 27 references, 3 of which are Slavic.

ASSOCIATION: The All-Union Scientific Research Institute of Cinema- and Photography.

Institute for Organic Chemistry AN USSR (Vs. soyuznyy nauchno - issledovatel'skiy kinofotoinstitut. Institut organicheskoy khimii Akademii nauk
SSSR).

SUBMITTED: November 13, 1956.

Card 2/2 3. Chlorodinitrophenylates-Synthesis

VOMPE, A.F.

20-5-28/60

AUTHOR TITLE VOMPE, A.F., TURITSYNA, N.F., Cleavage of Pyridine Bases, Mcchanism of Reaction. (Mekhanizm reaktsii rasshcheplemiya piridinovykh osnovaniy-Russian) Doklady Akademii NaukSSSR, 1957, Vol 114, Nr 5, pp 1017-1020 (U.S.S.R.)

PERIODICAL

ABSTRACT

In spite of a considerable number of works which dealt with the break-up of the pyridine ring, the mechanism of this reaction has hitherto not been clarified. It is known that the cleavage reaction of pyridine-chloro-dinitrophenylate and -bromocyanide takes place at a very high speed and leads to the formation of the dianyl salts of glutaconaldehyde. From the ineration of pyridine-chloro-dinitrophenylate with primary or secondary fatty amines there result cleavage products of only one nitrogen-carbon linkage in the pyridine ring. Hone of the authors who worked on these problems succeeded in converting the substances obtained by him into symmetric derivatives of glutaconaldehyde with two amine rests. Thus it remained uncertain whether the cleavage reaction of pyridine proceeds through the stage of an intermediate compound, or whether the separation of a nitrogen atom from the pyridine ring occurs all at once, that is as a consequence of a simultaneous interaction of a pyridinium salt with two amine molecules. In order to investigate the cleavage mechanism, the authors performed the cleavage of various pyridine bases with bromooyan and tetrahydroquinoline. In all instances there resulted, on the whole, cyanimines. This indicates that the reaction is the same for various pyridine bases. The simultaneous formation of ditetra-

Card 1/3

20-5-28/60

Cleavage of Pyridine Bases, Mechanism of Reaction. hydroquinolides gave rise to the supposition that the cyanimines play the role of intermediate products in this reaction. It remained uncertain, however, whether, on the whole, no final cleavage products but only intermediate compounds are obtained. In order to prowe that oyanimines are intermediate products of the break-up, the authors endeavored to convert them into symmetric ditetrahydroquinolides. This was successful and confirmed the nature of cyanimines to be that of intermediate products. The prevalent formation of cyaniminesmines can be explained by the high cleavage rate of the Ca-Nlinkage in the ring, which surpasses that of the cleavage of the C--N linkage in the cyanimine molecule. Their poor solubility in acetone or ether also explains why this happens. From this it follows that on an increase of sulubility of a cyanimine-derivative the amount of ditetrahydroquinolide in the reaction mixture must increase. A good yield could also be achieved in ethanol and methanol. An addition of aniline-chlorohydrate accelerated and increased the yield of aniline-bromohydrate. This was quite incomprehensible. Apparently there developed in connection with the cleavage of B-chloropyridine a cyaninine that is hard to dissolve in ether. In the production of cyaninines from B-substituted pyridines the formation of 2 isomers should be expected. Hitherto there existed only one. It seems that here for the most part only one of the  $C_{\alpha}$ -N-linkage is broken. The position of the substituents of these derivatives has not been clarified. It may be assumed that they are in an a-position towards the CH=NCH-

Gard 2/3

20-5-28/60

Cleavage of Pyridine Bases, Mechanism of Reaction.

-group. Cyanimine of B-methoxyglutonaldehyde was isolated in two forms, one of them being of a bright red and the other one of a bright yellow. Their composition and practically also their melting points were identical. The same was observed in the case of the analogous B-ethoxy-compound. The dimorphism of the salts of these aldchydes is known. Perhaps this also occurs in the case of the cyanimines here studied. However, the possibility of a cis-transisomerism must also be taken into consideration. This should be especially examined. (1 Slavic reference).

ASSOCIATION

Allunian Scientific Research Institute for Cinema and Photography Institute "N.D.Zelinskiy"for Organic Chemistry of the Academy of

Science of the U.S.S.R.

PRESENTED BY

28.1.1957 SUBMITTED

AVAILABLE

Library of Congress.

Card 3/3

AUTHORS:

Vompe, A. F., Monich, N. V., Turitsyna, N. F., Ivanova, L. V.

TITLE:

New Conversions of Pyridine Salts and the Synthesis of 7 -Substituted Pyridines (Novyye prevrashcheniya piridiniyevykh

soley i sintez %-aminozameshchennykh piridinov).

PERIODICAL:

Doklady AN SSSR, 1957, Vol. 114, Nr 6, pp. 1235-1238 (USSR)

ABSTRACT:

The authors earlier made the attempt of cleaving the pyriding ring in α-alkoxy-, phenoxy- and methylmercaptosubstituted pyridines by the influence of aromatic amines upon chloro- (2,4-dinitrophenylate) of the pyridine bases (I). It became evident that the ring cannot be cleft, but that a replacement of the alkoxy- (or of the methyl-mercapto- or phenoxy-)group by the residue of the aromatic amine under formation of chloro- (2,4-dinitrophenolates) of 7 -arylaminopyridines (II) takes place) (reference 1). In their further work the authors succeeded in cleaving the pyridine ring by acting upon 7-alkoxy (methylmercapto-, phenoxy-) pyridines with bromocyanogen and aromatic amines (reference 2), Thus they obtained dialkyl-salts of the  $\beta$ -alkoxy (merhylmercapto-, phenoxy-)substituted glutacon - aldehydes (III). These and

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New Conversions of Pyridine Salts and the Synthesis of 20-114-6-27/54
W-Substituted Pyridines

further conversions may be considered a special case of the general replacement reactions of the 7-alkoxy (phenoxy)-groups by the residues of aromatic amines in pyridine salts which contain electronegative radicals  $(C_6H_3(NO_2)_2 - C_6H_5 -)$  at the cyclic mitrogen (reference 1). By conjugation of the r-electrons of the oxygen atom in the group - OAlk(-006H5) with the residual part of the pyridine-salt molecule these compounds are given the property of oxonium salts (reference 5). The authors became interested in the problem of the mobility of the alkoxy group in the T-alkoxypyridine-haloidalkylates. It was found that in interactions of y -methoxypyridineiodomethylate with aniline (in an alcohol solution in the water bath) methyl iodide is split off and N-methyl-pyridone is produced. Thus the transition of the cyclic nitrogen atom into the tetravalent state alone is not enough to impart the capability of substitution to the alkoxy group. Besides, an electronegative radical must exist at this atom. Furthermore the capability of substitution of the phenoxy groups toward residues of the aromatic amines in Tphenoxypyridine-iodomethylate were also investigated. This

Card 2/4

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New Conversions of Pyridine Salts and the Synthesis of

20-114-6-27/54

T-Substituted Pyridines

exchange easily takes place on heating of a mixture of the haloid-hydrogen salt of phenoxypyridine or of the salt of the aromatic amine with p-phenoxypyridine. This exchange does, however, not take place on heating of a salt mixture of T-phenoxypyridine and of aromatic amine. From this follows that the 7-phenoxypyridine cation and a free amine participate in the reaction. In the same manner the phenoxy group can be replaced by the amino group and by residues of the primary and secondary aliphatic amines. Thus 7-cyclohexyl-aminopyridine and 7-dimethylaminopyridine were synthesized. 7-aminopyridine easily develops on heating of phenoxypyridine with ammonium chloride. The latter reaction offers several advantages in comparison to those known (references 7,8). There are 11 references, 3 of which are Slavic.

3/4

New Conversions of Pyridine Salts and the Synthesis of 20-114-6-27/54 7-Substituted Pyridines

ASSOCIATION: Allunion Scientific Research Institute for Motion-Picture

and Photography (Vsesoyuznyy nauchno-issledovatel'skiy

kinofotoinstitut).

(167) 新文·马尔克斯克

Institute for Organic Chemistry AS USSR imeni N. D. Zelinskiy (Institut organicheskoy khimii im. N. D. Zelinskogo Akademii

nauk SSSR).

PRESENTED: June 19, 1957, by A. N. Nesmeyanov, Academician

SUBMITTED: June 18, 1957

Card 4/4

1-37

IEVKOYEV, I.I., kand.khim.nauk; YOMOTE, A.F., doktor khim.nauk;

SVESHNIKOV, N.B., kand.khim.nauk

Successes of the chemistry of sensitising dyes. Chim.nauk i prom.

(MIRA 11:11)

3 no.5:587-606 '58.

(Dyes and dyeing) (Photographic chemistry) (Silver halides)

AUTHORS:

originalistikan garakan karakan karaka

Yompe, A. F., Turitsyna, N. F.

sov/79-28-10-52/60

TITLE:

Reactions of the Pyridinium Salts (Reaktsii piridiniyevykh soley) II. Reaction of the Chloro-2, 4-Dinitro-Phenylates of the Substituted Pyridine Bases With Aniline (II. Vzaimodeystviye s anilinom khlor-2,4-dinitrofenilatov

zameshchennykh piridinovykh osnovaniy)

PERIODICAL:

Zhurnal obshchey khimii, 1958, Vol 28, Nr 10,

pp 2864 - 2873 (USSR)

ABSTRACT:

Although the cleavage reaction of pyridine has long been known, the influence of the substituents in the pyridine ring on the process of this reaction could not yet be clarified. The authors therefore investigated the reaction of the chloro-2,4-dinitro-phenylate of pyridine and its derivatives with aromatic amines, especially with aniline. It was found that as a function of the character of the substituent, of its position in the pyridine ring, and of the temperature conditions, the reaction of the chlor-2,4-dinitro-phenylates of pyridine and its derivatives with aniline may take different courses. In the presence of electropositive

Card 1/3

Reactions of the Pyridinium Salts. II. Reaction of the SOY/79-28-10-52/60 Chloro-2,4-Dinitro-Phenylates of the Substituted Pyridine Bases With Aniline

sutstituents in the pyridine nucleus the ring bonds N-C in the corresponding chloro-dinitro-phenylates are stable to the action of bases. In this process the ring bonds and the N-C bond outside the ring are split. The re-arrangement of the electropositive substituent in the chloro-dinitro-phenylate of the pyridine base from the  $\beta$ -position to the  $\gamma$ -position enhances the stabilizing effect of the substituent with regard to the C-N ring bond in the reaction with aniline. The investigated conversions of the chloro-2,4-dinitrophenylates of the  $\beta$ -and  $\gamma$ -substituted pyridines are one of the many examples of the general splitting reaction of the quaternary pyridine-, quinoline- and isoquinoline salts with the action of water, alcohols, aromatic amines, phenoles and other compounds. The N-C bond outside the ring splits particularly easily if the heterocyclic nitrogen atom is linked with an electronegative radical. There are 19 references, 8 of which are Soviet.

card 2/3

#### CIA-RDP86-00513R001860810003-4 "APPROVED FOR RELEASE: 03/14/2001

507/79-28-10-52/60 Reactions of the Pyridinium Salts. II. Reaction of the Chloro-2,4-Dinitro-Phenylates of the Substituted Pyridine Bases With Aniline

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut 1 Institut organicheskoy khimii Akademii nauk SSSR (All-

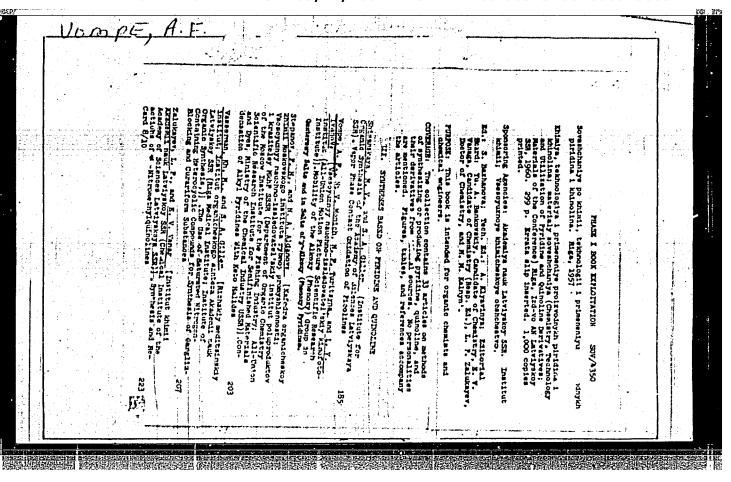
Union Scientific Research Institute of Cinematography and

Photography and Institute of Organic Chemistry at the AS USSR)

SUBMITTED:

March 22, 1957

card 3/3



VOMPE, A. F.; LE/KOYEV, I. I.; TURITSYNA, N. F.; DURMASHKINA, V. V.; IVANOVA, L. V.

Reactions of pyridinium salts. Part 3: Interaction of bromocyanides of pyridinium bases with amines. Zhur. ob. Khim. 34 no.6:1758—
(MIRA 17:7)
1771 Je '64.
1. Vsesoyuznyy neuchno-issledovatel'skiy kinofotoinstitut i
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KHEYNMAN, A.S.; KARAUL'SHCHIKOVA, R.V.; VOLKOVA, G.S.; PARFENOVA, N.M.;
SOLOV'YEV, S.M.; VOMPE, A.F.; ALEKSANDROV, I.V.; KUREPINA, G.F.;
IVANOVA, L.V.

Infrachromatic materials for scientific and technological purposes.
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(MIRA 18:7)



THE REPORT OF THE PARTY OF THE		340X
	B/081/62/000/004/060/087 B150/B138	
AUTHORS:	Liorber, B. G., Shchelkina, Ye. P., Deychmeyster, M. V., Vompo, A. F.	10
TITLE:	Some merocyaninocarbocyanine derivatives of imidazolinone- (4)	15
PERIODICAL:	Referativnyy zhurnal. Khimiya, no. 4, 1962, 456, abstract 4L418 (Tr. Vses. ni. kinofoto-instituta, no. 37, 1960, 5-16)	
are synthesi residues of components o dependence of	trical and asymmetrical merocyaninocarbocyanine derivatives zed from 1-cyclohexyl-3-methylimidazolinone-4 with the zed from 1-cyclohexyl-3-methylimidazolinone-4 with the various heterocyclic bases in merocyanic and carbocyanic the molecule. An investigation is made of the structural f the molecule. An investigation is made of the nature of the f the colors of these compounds and of the nature of the sity distribution in the chromophores of the molecule. In some complete translation.	, 25
Card 1/1		30